Bruhat Bengaluru
Mahanagara Palike

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

1st and final E-Bill

Name of Work :- Constuction of Samudaya Bhavana near Veeranjaneya Temple in Someshwara ward no-03 of Yelahanaka Satellite town sub division.

Agency:-SRI.KISHORE KUMAR M (V K INFRASTRUCTURE) No 520,1st Main Road Chikka Bommasandra,GKVK Post,Yelahanka New Town,Bangalore-560064.

Modified Cost RS :- 38.60 Lakh's

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

1st &FINAL E-BILL

Name of Work :- Constuction of Samudaya Bhavana near Veeranjaneya Temple in Someshwara ward no-03 of Yelahanaka Satellite town sub division.

Agency:-SRI.KISHORE KUMAR M (V K INFRASTRUCTURE) No 520,1st Main Road Chikka Bommasandra,GKVK Post,Yelahanka New Town,Bangalore-560064.

Measurements Taken On:- 26/10/2023

S.No	Description of work	Unit	No.	Measurements L	B	D	Qty	Rate	Amount
1	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material to the appropriate disposal area as per direction of Engineer-in-charge.								
		Sqm							
	Quantity Vide As Per Pre-Measurement are Prepared in Excel Sheets of E-Bill:-						48.00	413.00	19824.00
2	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking to the appropriate disposal area as per direction of Engineerin-charge.								
		Sqm							
	Quantity Vide As Per Pre-Measurement are Prepared in Excel Sheets of E-Bill:-						11.29	204.00	2302.26
3	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge.								
		Cum							
	Quantity Vide As Per Pre-Measurement are Prepared in Excel Sheets of E-Bill:-						19.90	840.00	16719.76
4	Demolishing cement concrete manually/ by mechanical means including disposal of material to the appropriate disposal area as per direction of Engineer-in-charge.								
		Cum							
	Quantity Vide As Per Pre-Measurement are Prepared in Excel Sheets of E-Bill:-						7.89	1358.00	10714.62
5	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineerin-charge.								
		Cum							
	Quantity Vide As Per Pre-Measurement are Prepared in Excel Sheets of E-Bill:-						23.09	1376.00	31764.96
6	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m								
		Cum							
	Quantity Vide As Per Pre-Measurement are Prepared in Excel Sheets of E-Bill:-						135.21		
	A)Up to125% of quantity						119.38	221.00	26382.98
	B)Above 125% of quantity						15.83	211.22	3343.79
7	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications.								
		Cum							
	Quantity Vide As Per Pre-Measurement are Prepared in Excel Sheets of E-Bill:-						4.86	2484.00	12072.24
8	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates.								

		Cum								
	Quantity Vide As Per Pre-Measurement are Prepared in Excel Sheets of E-Bill:-						18.16		
						A)Up to125% of quantity	11.90	5925.00	70507.50
						B)Above 125% of quantity	6.26	5894.96	36930.16
9	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates									
	Basement Coping:- Long wall's	Cum	2	7.60	0.45	0.10	0.68			
	Short Wall's		3	5.45	0.45	0.10	0.74			
	New Building,Surrounding Concrete:-Back		1	9.90	(2.70+2.25)	(0.10+0.075)	2.14			
					2	2				
	Side		1	10.10	(2.80+2.25)	(0.10+0.075)	2.23			
					2	2				
	Front		1	7.30	(2.25+2.10)	(0.10+0.06)	1.27			
					2	2				
					Total Qty		7.07			
						A)Up to125% of quantity	1.98	5925.00	11701.88	
						B)Above 125% of quantity	5.09	6470.23	32935.98	
10	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)									
		Cum								
	Quantity Vide As Per Pre-Measurement are Prepared in Excel Sheets of E-Bill:-						19.49		
						A)Up to125% of quantity	14.79	5710.00	84436.63	
						B)Above 125% of quantity	4.70	5680.56	26691.53	
11	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.									
	Earth Work Excavation	Cum	Qty Vide Item No-06				135.21			
	(-)Deductions		6	3.00	2.70	0.10	4.86			
	Boulders filling:-Footings		6	3.00	2.70	0.10	4.86			
	PCC:-Footings		2	7.90	0.75	0.10	1.19			
	SSM Foundation:- Long wall's		3	5.45	0.75	0.10	1.23			
	Short Wall's		1	2.00	0.25	0.10	0.05			
	Supporting Wall's		1	0.60	0.25	0.10	0.02			
			2	1.00	0.90	0.12	0.22			
	Manholes		2	0.90	0.80	0.12	0.17			
			2	7.85	0.70	0.35	3.85			
	SSM Foundation:-1st footing:- Long wall's		3	5.55	0.70	0.35	4.08			
	Short Wall's		2	7.75	0.60	0.45	4.19			
	2nd footing:- Long wall's		3	5.60	0.60	0.45	4.54			
	Short Wall's		6	3.00	2.70	0.60	0.18			
	Concreting's:-Footings		6	0.60	0.60	0.60	1.30			
	Pedestal's		6	0.23	0.45	0.45	0.28			
	Column below plinth						59.97			
					Total Qty		75.24			
						A)Up to125% of quantity	52.45	217.00	11381.65	

		B)Above 125% of quantity					22.79		
		Limited to Modified Estimate Approved Quantity					22.17	216.52	4800.25
12	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum (Tipper 14 m3)								
	Excavated Earth	Cum	Qty Vide Item No-06				135.21		
	Filling Available of Excavated Earth		Qty Vide Item No-11				75.24		
							59.97	78.00	4677.45
13	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km								
		t.Km		59.97		1.28	76.76		
							76.76	101.00	7752.57
14	Providing and laying in position Reinforced cement concrete for all **Sub structures of building,** Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) **M25** Design Mix Using 20 mm nominal size graded crushed coarse aggregates								
	Footings	Cum	6	3.00	2.70	0.60	29.16		
	Pedestal's		6	0.60	0.60	0.60	1.30		
	Column below plinth		6	0.23	0.45	0.45	0.28		
	Plint Beam		2	7.50	0.23	0.45	1.55		
			3	5.20	0.23	0.45	1.61		
							33.90	6904.00	234063.21
15	Providing and laying in position Reinforced cement concrete for all **Super structures of building** , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) **M25 Design Mix** Using 20 mm nominal size graded crushed coarse aggregates								
	Ground Floor:-Columns	Cum	6	0.23	0.45	2.10	1.30		
			6	0.23	0.45	1.30	0.81		
							2.11	7260.00	15328.76
16	Slab.	Cum							
	Roof		1	7.50	5.40	0.15	6.08		
							6.08	7920.00	48114.00
17	Beams.	Cum							
	Tie Beam Alround:-Long Wall's		1	7.50	0.23	0.30	0.52		
	Short Wall's		3	5.20	0.23	0.30	1.08		
							1.59	7920.00	12623.69
18	Lintel.	Cum							
	Long Wall's		1	7.50	0.23	0.20	0.35		
	Short Wall's		2	5.20	0.23	0.20	0.48		
	Partition Wall		1	5.20	0.10	0.20	0.10		
							0.93	7920.00	7345.01
19	Chejja	Cum							
	Front		1	3.50	0.45	0.10	0.16		
	Sides		1	1.65	0.45	0.10	0.07		
			1	3.20	0.45	0.10	0.14		
			1	1.35	0.45	0.10	0.06		
							0.44		
		A)Up to125% of quantity					0.28	9570.00	2631.75

		B)Above 125% of quantity					0.16	9520.35	1537.54
20	First Floor Column's								
	First Floor:-Columns	Cum	6	0.23	0.45	2.10	1.30		
			6	0.23	0.45	1.30	0.81		
							2.11	7332.00	15480.78
21	Slab.	Cum							
	Roof		1	7.50	5.40	0.15	6.08		
							6.08	7999.00	48593.93
22	Beams.	Cum							
	Tie Beam Alround:-Long Wall's		1	7.50	0.23	0.30	0.52		
	Short Wall's		3	5.20	0.23	0.30	1.08		
							1.59	7999.00	12749.61
23	Lintel.	Cum							
	Long Wall's		1	7.50	0.23	0.20	0.35		
	Short Wall's		2	5.20	0.23	0.20	0.48		
	Partition Wall		2	5.20	0.10	0.20	0.21		
			1	1.20	0.10	0.20	0.02		
							1.06	7999.00	8442.14
24	Chejja	Cum							
	Sides		2	1.35	0.45	0.10	0.12		
	Inside Self's		2	2.80	0.45	0.10	0.25		
							0.37		
		A)Up to125% of quantity					0.28	9666.00	2658.15
		B)Above 125% of quantity					0.10	10472.38	1031.53
25	Providing Thermo-Mechanically Treated bars of grade Fe-550 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately)								
		Kg							
	Quantity Vide As Per Pre-Measurement are Prepared in Excel Sheets of E-Bill:-						6305.78		
	A)Up to125% of quantity						6056.54	101.00	611710.29
	B)Above 125% of quantity						249.24	101.89	25395.17
26	First Floor	Kg							
	Quantity Vide As Per Pre-Measurement are Prepared in Excel Sheets of E-Bill:-						1456.53	149.00	217022.60
27	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.								
	Ground Floor:-Long wall's	Sqm	1	7.50		3.90	29.25		
	Short Wall's		2	5.10		3.90	39.78		
							69.03		
	(-)Deduction								
	D		1	1.20		2.10	2.52		
	W		4	1.20		1.20	5.76		
	W1		1	0.90		1.20	1.08		
	V		1	0.60		0.60	0.36		
	Ground Floor:-Columns		5	0.23		2.10	2.42		
			5	0.23		1.30	1.50		
	Lintel:-Long Wall's		1	7.50		0.20	1.50		
	Short Wall's		2	5.20		0.20	2.08		

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾ
ಜಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಯಲಹಂಕ ವಿಭಾಗ

	Tie Beam's:-Long Wall's		2	7.50		0.30	4.50		
	Short Wall's		3	5.20		0.30	4.68		
							26.39		
							42.64	1275.00	54366.00
28	First Floor	Sqm							
	Long wall's		1	7.50		3.90	29.25		
	Short Wall's		2	5.00		3.90	39.00		
							68.25		
	(-)Deduction								
	W		2	1.20		1.20	2.88		
	Open		1	0.30		0.75	0.23		
	First Floor:-Columns		5	0.23		2.10	2.42		
			5	0.23		1.30	1.50		
	Lintel:-Long Wall's		1	7.50		0.20	1.50		
	Short Wall's		2	5.20		0.20	2.08		
	Tie Beam's:-Long Wall's		2	7.50		0.30	4.50		
	Short Wall's		3	5.20		0.30	4.68		
							19.78		
							48.48	1288.00	62435.80
29	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x100x200mm having block density more than 1800kg/m3 and minimum compressive strength of 3.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.								
	Ground Floor:-Partition Wall	Sqm	1	5.00		3.90	19.50		
							19.50		
	(-)Deduction								
	D1		1	0.90		2.10	1.89		
							17.61	1002.00	17645.22
30	First Floor	Sqm							
	Partition Wall		2	5.20		3.90	40.56		
			1	1.20		3.90	4.68		
							45.24		
	(-)Deduction								
	D2		2	0.75		2.10	3.15		
							42.09	1012.00	42595.08
31	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.								
	Parapet Wall	Sqm	1	7.50		0.90	6.75		
			2	5.20		0.90	9.36		
	Supporting Wall's		1	2.00		0.90	1.80		
			1	0.60		0.90	0.54		
	Manholes		1	0.90		0.50	0.45		
			2	0.60		0.50	0.60		
	:-		1	0.90		0.50	0.45		
			2	0.55		0.50	0.55		
	:-		2	0.85		0.90	1.53		
			2	0.55		0.90	0.99		
	:-		2	0.75		0.60	0.90		
			2	0.45		0.60	0.54		
	Old Toilet Block Parapet Wall		2	8.50		0.20	3.40		
			2	1.80		0.20	0.72		
	Entrance step		2	1.60	0.45		1.44		
							30.02	1137.00	34132.74

32	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge								
	Ground Floor:-External Plastering	Sqm							
	Long wall's		2	7.50		4.20	63.00		
	Short Wall's		2	5.40		4.20	45.36		
	Front		1	3.50	0.45		1.58		
	Sides		1	1.65	0.45		0.74		
			1	3.20	0.45		1.44		
			1	1.35	0.45		0.61		
	Old Toilet Block Parapet Wall		2	8.50		0.45	7.65		
			2	1.80		0.45	1.62		
	Roof Surface		1	7.00	5.20		36.40		
			1	7.80	1.80		14.04		
							173.44		
	(-)Deduction								
	D		1	1.20		2.10	2.52		
	W		4	1.20		1.20	5.76		
	W1		1	0.90		1.20	1.08		
	V		1	0.60		0.60	0.36		
							9.72		
							162.72	318.00	51743.37
33	First Floor	Sqm							
	Long wall's		2	7.50		4.80	72.00		
	Short Wall's		2	5.40		4.80	51.84		
	Parapet Wall		1	7.50		1.10	8.25		
			2	5.20		1.10	11.44		
	Sides		4	1.35	0.45		2.43		
	Inside Self's		4	2.80	0.45		5.04		
							151.00		
	(-)Deduction								
	W		2	1.20		1.20	2.88		
	Open		1	0.30		0.75	0.23		
							3.11		
							147.90		
					A)Up to125% of quantity		118.59	322.00	38185.18
					B)Above 125% of quantity		29.31	349.09	10230.96
34	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished rough with sponge to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.								
	Ground Floor:-Internal Plastering	Sqm							
	Kitchen		1	5.35		3.90	20.87		
			2	5.00		3.90	39.00		
	Store		1	1.50		3.90	5.85		
			2	5.00		3.90	39.00		
	Column		1	1.45		3.90	5.66		
							110.37		
	(-)Deduction								
	D		1	1.20		2.10	2.52		
	W		4	1.20		1.20	5.76		
	W1		1	0.90		1.20	1.08		
	V		1	0.60		0.60	0.36		
							9.72		
							100.65	343.00	34522.95
35	First Floor	Sqm							

	Room1		2	2.80		3.90	21.84		
			2	5.00		3.90	39.00		
	Self		2	2.80	0.40		2.24		
	Toilet		2	1.15		3.70	8.51		
			2	2.05		3.70	15.17		
	Room2		2	2.80		3.90	21.84		
			2	5.00		3.90	39.00		
	Self		2	2.80	0.40		2.24		
	Toilet		2	1.15		3.70	8.51		
			2	2.85		3.70	21.09		
	Column		1	1.35		3.70	5.00		
							184.44		
	(-)Deduction								
	W		2	1.20		1.20	2.88		
	D1		2	0.90		2.10	3.78		
	D2		2	0.75		2.10	3.15		
	Open		1	0.30		0.75	0.23		
							10.04		
							174.40	346.00	60342.40

36	Providing 12mm thick cement plaster in floating coat of neat cement of mix :1:4 to Brick masonry including rounding off corners wherever reduired smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per diredtion of Engineer-in-charge								
	Ground Floor:-Cealing								
	Kitchen	Sqm	1	5.00	5.35		26.75		
	Store Room		1	5.00	1.50		7.50		
							34.25	279.00	9555.75
37	First Floor	Sqm							
	Room1		1	2.80	5.00		14.00		
	Toilet		1	1.15	2.05		2.36		
	Room2		1	2.80	5.00		14.00		
	Toilet		1	1.15	2.85		3.28		
							33.64	283.00	9485.07
38	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.								
	Ground Floor	Sqm							
	Internal Plastering		Quantity Vide Item No-34				100.65		
	Cealing		Quantity Vide Item No-36				34.25		
							134.90	88.00	11871.20
39	First Floor	Sqm							
	Internal Plastering		Quantity Vide Item No-35				174.40		
	Cealing		Quantity Vide Item No-37				33.64		
							208.04	88.00	18307.08
40	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.								
	Ground Floor:-Internal painting	Sqm	Quantity Vide Item No-38				134.90		
	Old Toilet:-Store		2	1.00		2.25	4.50		
			2	1.80		2.25	8.10		
	Bath		2	1.00		0.45	0.90		
			2	1.80		0.45	1.62		
	Toilet		2	1.00		0.45	0.90		
			2	1.80		0.45	1.62		
	Old Building		2	12.00		3.90	93.60		

			2	7.00		3.90	54.60			
	Cealing		1	12.00	7.00		84.00			
	Projection Roof		1	12.00	1.50		18.00			
			1	7.00	1.50		10.50			
	Staire Case		2	4.20	1.50		12.60			
			1	2.40	1.50		3.60			
							429.44			
	(-)Deduction									
	D		1	2.10		2.10	4.41			
	D1		1	0.90		2.10	1.89			
	W		7	1.50		1.20	12.60			
	V		7	1.50		0.45	4.73			
	D2		1	0.75		2.10	1.58			
							25.20			
							404.24			
		A)Up to125% of quantity					189.10	138.00	26095.80	
		B)Above 125% of quantity					215.14	137.98	29685.02	
41	First Floor	Sqm	Quantity Vide Item No-39				208.04			
	Internal painting									
	Old Building		2	12.00		3.90	93.60			
			2	7.00		3.90	54.60			
	Cealing		1	12.00	7.00		84.00			
	Projection Roof		1	12.00	1.50		18.00			
	Staire Case		2	4.20	1.50		12.60			
			1	2.40	1.50		3.60			
							474.44			
	(-)Deduction									
	D		1	2.10		2.10	4.41			
	D1		1	0.90		2.10	1.89			
	W		7	1.50		1.20	12.60			
	V		7	1.50		0.45	4.73			
							23.63			
							450.81			
		A)Up to125% of quantity					285.89	139.00	39738.36	
		B)Above 125% of quantity					164.92	139.36	22983.60	
42	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two coat applied @ 1.67 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.									
	External painting:-Ground Floor	Sqm	Quantity Vide Item No-32				112.18			
	Toilet Block		2	8.50		2.40	40.80			
			2	2.20		2.40	10.56			
	Parapet Wall		2	8.50		0.35	5.95			
			2	1.95		0.35	1.37			
	Old Building		2	12.50		4.00	100.00			
			1	7.50		4.00	30.00			
	Front columns		5	1.00		4.00	20.00			
	Front Chejja		1	7.50	1.20		9.00			
	Window chejja's		16	1.80	0.45		12.96			
							342.81			
	(-)Deduction									
	D		1	2.10		2.10	4.41			
	D1		1	0.90		2.10	1.89			
	W		7	1.50		1.20	12.60			
	V		7	1.50		0.45	4.73			

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಜಿ.ಪಂ.ಕ. ಬೆಂಗಳೂರು-106

48	Ceramic tile flooring, with under layer 12 mm thick cement mortar 1:4 (1cement: 4 coarse sand), with joints not exceeding 5 mm, including filling the gaps with ordinary cement mixture & mixing with synthetic polyester fibre, triangular in shape having specific gravity of 1.34 to 1.40, cross section size ranging from 10 to 40 micron & length upto 6 mm , mixing fibre @ 125 g per 50 kg of cement in cement mortar, including providing and mixing water proofing material in mortar @ 1 kg per 50 kg of cement, all complete as per direction of Engineer-in-charge.									
	For Toilet flooring	Sqm	1	1.15	2.05		2.36		
			1	1.15	2.85		3.28		
	Old Toilet:-Toilet Rooms		1	1.50	1.85		2.78		
			1	1.50	1.85		2.78		
	WC		1	1.45	1.85		2.68		
							-13.86		
					A)Up to125% of quantity		3.75	621.00	2328.75
					B)Above 125% of quantity		10.11	618.55	6253.54
49	Providing skirting, dadooing, rises of steps with colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications.									
	Cladding Tiles:-Short wall	Sqm	4	1.15		2.10	9.66		
	Long wall		2	2.05		2.10	8.61		
			2	2.85		2.10	11.97		
							30.24		
	D2		2	0.75		2.10	3.15		
							27.09	1111.67	30115.14
50	Providing and fixing fiber glass reinforced plastic(FRP) Door frames of cross-section 90mm x 45mm having single rebate of 32mm x 15mm to receive shutter of 30mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyrster resin and chopped mat. Door frame laminate shall be 2mm thick and shall be filled with suitable wooden block in all the three legs. The frames shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame									
	New Toilet Building:-D1	Mtr	2	5.70			11.40		
	Old Toilet Building		5	5.70			28.50		
							39.90	669.74	26722.63
51	Providing and fixing to existing door frames. 30mm thick glass fiber reinforced plastic (FRP) panelled door shutter of required colour and approved brand and manufacture. made ith fire-retardant grade unsaturated polyester resin. moulded to 3 mm thick FRP laminate for forming hollow rails and styles. with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5mm thick FRP laminate for panels conforming to IS:14856. including fixing to frames.									
	New Toilet Building:-D1	Sqm	2	0.75		2.10	3.15		
	Old Toilet Building		5	0.75		2.10	7.88		
							11.03	3316.84	36568.16
52	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications.									
	Ground Floor:-D	Cum	2	1.80	0.125	0.10	0.05		
			2	2.10	0.125	0.10	0.05		
	D1		2	1.50	0.125	0.10	0.04		
			2	2.10	0.125	0.10	0.05		
							0.19	96449.00	18084.19
53	First Floor	Cum							
	D1		4	1.50	0.125	0.10	0.08		
			4	2.10	0.125	0.10	0.11		
							0.18	92413.00	16634.34
54	Providing and fixing in position Honnewood fully panelled shutters for windows with stiles and rails of 35mm. thick, 75mm wide in two halves with panels of 25mm thick including cost of materials, labour charges, usage charges complete as per specifications. (excluding cost of fixtures)									

	Ground Floor:-D	Sqm	1	1.20		2.10	2.52		
	D1		1	0.90		2.10	1.89		
	Old Building		1	0.90		2.10	1.89		
							6.30	5529.00	**34832.70**
55	First Floor	Sqm							
	D1		3	0.90		2.10	5.67		
							5.67	5600.00	**31752.00**
56	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc.								
	Ground Floor:-W	Kg	4	1.20		1.20	5.76		
	W1		1	0.90		1.20	1.08		
							6.84		
				(21KG/1Sqm)			**143.64**	152.00	**21833.28**
57	First Floor								
	First Floor:-W	Kg	2	1.20		1.20	2.88		
							2.88		
				(21KG/1Sqm)			**60.48**	155.00	**9374.40**
58	Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water,all materials,usage& all other appurtenaces required to complete the work.								
	Quantity Vide As Per Pre-Measurement are Prepared in Excel Sheets of E-Bill:-	Cum					**25.52**	430.92	**10996.86**
59	Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mm height with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made).								
	Ground Floor:-W	Kg	4	1.20		1.20	5.76		
	W1		1	0.90		1.20	1.08		
							6.84	7725.00	**52839.00**
60	First Floor	Kg							
	First Floor:-W		2	1.20		1.20	2.88		
							2.88	7800.00	**22464.00**
61	Providing & fixing of louvered ventilator made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free with gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the ventilator frame. The frame having overall size of 39mm x 39mm with GI reinforcement of 1mm thickness. Louver clip in Aluminium (powder coated in white) will be used on the frame along with plastic parts for fixing the 4 mm pin head glass. Wall thickness of frame shall be 2mm.Maximum possible size – 1000mm x 1000mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made).								
	V	Sqm	1	0.60		0.60	0.36		
							0.36	5247.00	**1888.92**
62A	First Floor	Sqm							
	Open		1	0.30		0.75	0.23		
							0.23	5220.66	**1174.65**
62B	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two coat applied @ 0.90 ltr/10 m² over an under coat of primer applied @ 0.80 ltr/10 m² of approved brand and manufacture including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.								

	Ground Floor:-W	Sqm	4	1.20		1.20	5.76		
	W1		1	0.90		1.20	1.08		
	First Floor:-W		2	1.20		1.20	2.88		
	Old Staircase Grill		8	4.20		0.90	30.24		
							39.96		
		A)Up to125% of quantity					22.73	110.00	2499.75
		B)Above 125% of quantity					17.24	112.51	1939.11
63	Painting wood work with Deluxe Multi Surface Paint of required shade. Two coat applied @ 0.90 ltr/10 m² over an under coat of primer applied @0.75 ltr/10 m² of approved brand and manufacture to give an even shade including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, sand papering and knotting , cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.									
	New Building,D	Sqm	2	1.20		2.10	5.04		
	D1		6	0.90		2.10	11.34		
	Old Building,GF:-D		2	2.10		2.10	8.82		
	D1		4	0.90		2.10	7.56		
	W		14	1.50		1.20	25.20		
	FF:-D		2	2.10		2.10	8.82		
	D1		2	0.90		2.10	3.78		
	W		14	1.50		1.20	25.20		
							95.76	111.45	10672.45
64	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge.									
	New Building Terrace	Sqm	1	7.00	5.20		36.40		
	Old Toilet Terrace		1	8.00	1.95		15.60		
							52.00	794.00	41288.00
65	Providing and placing on terrace(at all floor levels), polyethylene water storage tanks as per IS 12701 marked.with cover and suitable locking arrangement and making necessary holes for inlet,outlet and overflow pipes but without fittings and the base support for tank(For 1000 litre capacity)									
	Sintex	Ltr	2000				2000.00		
							2000.00	8.50	17000.00
66	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid.									
	New Building Toilet	Each	2				2.00		
	Old Building Toilet		3				3.00		
							5.00		
		A)Up to125% of quantity					2.50	5339.00	13347.50
		B)Above 125% of quantity					2.50	5312.26	13280.65
67	PTMT grating 100 mm dia.									
	New Building Toilet	Each	2				2.00		
	Old Building Toilet		3				3.00		
							5.00	17.00	85.00

68	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the wallswherever require: White Vitreous China Wash basin size 630x450 mm with a pair of 15									
	New Building Toilet	Each	2				2.00			
	Old Building Toilet		3				3.00			
							5.00	2697.00	13485.00	
69	Providing and fixing brass bib cock of approved quality : 20 mm nominal bore.									
	Bib Cock	Nos.	10				10.00			
							10.00	367.00	**3670.00**	
70	Providing and fixing brass stop cock of approved quality : 20 mm nominal bore.									
	Stop Cock	Nos.	6				6.00			
							6.00	367.00	**2202.00**	
71	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 20 mm nominal bore									
	Valve	Nos.	6				6.00			
							6.00	370.00	**2220.00**	
72	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.									
	Mirror	Each	6				6.00			
							6.00	1035.00	**6210.00**	
73	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) 20mm nominal dia pipes									
	Pipe	Mtr	10	6.00			60.00			
							60.00			
	A)Up to125% of quantity						**43.75**	397.00	**17368.75**	
	B)Above 125% of quantity						**16.25**	395.90	**6433.38**	
74	Providing and fixing on wall face unplasticised rigid PVC rain water pipes conforming to IS:13592 Type A, including jointing with seal ring conforming to IS:5382, leaving 10mm gap for thermal expansion, [i] single socketed pipes 100mm diameter									
	Rain Water pipes	Mtr	2	9.00			18.00			
	Sanitary Line		1	12.00			12.00			
							30.00	269.00	**8070.00**	
75	Supply and delivery of Centrifugal pumpset at site brand new best make and with discharge duty confirming to ISI standards and its latest amendments2 HP, Size 50x40 Head 22M, Discharge 186 LPM									
	Motor	Each	1				1.00			
							1.00	18640.00	**18640.00**	
	Electrical Work									
76	Open conduit System: Supplying heavy gauge PVC conduit pipe .....dia confirming to IS 2509 with suitable size bends, plugs in case of RCC ceiling and RCC wall stone structure or rawl plugs in case of brick walls and cement plastering damaged portion using heavy gauge saddles at an interval of 700mm using WF screws.a) 19/20mm dia 2mm thick									
		Mtr	1	180.00			180.00			
							180.00	65.61	**11809.80**	
77	Supplying and flush mounting teak wooden box without front plank, made of not less than 15mm thick wood, after due groove cutting, necessary masonry patch work complete. d)8''x6''x3''(203x152x76mm)									
		Each	6				6.00			
							6.00	72.37	**434.22**	

78	Point wiring using copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit/casing caping using Copper PVC insulated multi strand 2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixied on the exisiting plastic sheet /gang box, the pther end of the wires shall be terminated with sufficient loose length in a wood/PVC round block.complete for each outlet. I. Point wiring using class A materials a) Short point upto 3Mtr from tapping point to out let via									
		Point	6				6.00			
							6.00	266.31	1597.86	
79	Point wiring using copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit/casing caping using Copper PVC insulated multi strand 2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixied on the exisiting plastic sheet /gang box, the pther end of the wires shall be terminated with sufficient loose length in a wood/PVC round block.complete for each outlet. I. Point wiring using class A materials b) Medium point above 3Mtr upto 6Mtr from tapping pointr to									
		Each	6				6.00			
							6.00	372.45	2234.70	
80	Point wiring using copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit/casing caping using Copper PVC insulated multi strand 2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixied on the exisiting plastic sheet /gang box, the pther end of the wires shall be terminated with sufficient loose length in a wood/PVC round block.complete for each outlet. I. Point wiring using class A materialsc)Long point above 6Mtr upto 10Mtr from tapping point to out									
		Each	6				6.00			
							6.00	547.10	3282.60	
81	Supplying 6A flush/projected type socket and a 6 amps flush/ projected type SP switch either surface/flush mounting in a exisiting gang box or in a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required. b) 6Amps 3/5 way.									
		Each	5				5.00			
							5.00	137.98	689.90	
82	Wiring for lighting/power circuit using one of FLRS PVC insulated 1100v grade, multis and CopperWITH LOW conductor single core cable in open or concealed system of wiring.I Group A Materials.a) 1.5 sqmm.									
		Mtr	1	220.00			220.00			
							220.00	25.09	5519.80	
83	Wiring for lighting/power circuit using one of FLRS PVC insulated 1100v grade, multis and CopperWITH LOW conductor single core cable in open or concealed system of wiring.I Group A Materials.b)2.5Sqmm									
		Mtr	1	250.00			250.00			
							250.00	38.60	9650.00	
84	Wiring for lighting/power circuit using one of FLRS PVC insulated 1100v grade, multis and CopperWITH LOW conductor single core cable in open or concealed system of wiring.I Group A Materials.c) 4 sqmm									
		Mtr	1	280.00			280.00			
							280.00	56.93	15940.40	
85	Supplying 4mm thick plastic sheet with necessary niches for fixing switches, regulators etc., and fixing on exisiting wood or metal box using N.F.screws									
		Sq cm	1500				1500.00			
							1500.00	0.28	420.00	
86	Supplying and fixing retrofit type -PL-LED lamp…W LED linear Source with CCT 6500 degree K, CRI>70%efficacy>80 lumen per watt,life>25000 burning hours and compliance to IS 10322/IEC 60598,LM 79 and LM80.The LED are driven by HF electroniedriver integrated in the system, with PF>0.95, power loss Should <5% of lam Wattage.,short Circuit and open circuit Protection to be integrated Circuit, THD less than 20%,life as per LM79.the operating input voltage should be between130 t 275 volts.Tested by NABL/CPRI accredited laboratory with 2 years Warranty agnist any manufacturing defect working under standard									
		Each	35				35.00			
							35.00	666.75	23336.25	

87	Supplying and fixing of T5 Fluorescent Tube with 14W power consumption with low 3mg Mercury content & below 40% glass content than T8 lamp & 20% less phosphor coating than T8 with initial lumen on 1350 (for 3000-6500 deg Kelvin), rated Avg life (12 Hr. Cycle) of greater than 35000 burring hours. Operating voltage range from 180V to 265V, 50Hz AC power Supply									
		Each	15				15.00			
							15.00	127.37	**1910.55**	
88	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides with plank made out of not more than 2 pices and fixing the same to the wall using tapered inverted woode plug screws etc., a) 20"x20"2.5"									
		Each	6				6.00			
							6.00	303.94	**1823.64**	
89	Supplying and fixing of Procelain fuse channel with cut out on exisiting wooden/panel using necessary nuts, bolts and washers etc., complete.a) 32Amps									
		Each	6				6.00			
							6.00	192.98	**1157.88**	
90	Supply of an load charge over switches 4poles 415v 50Hz A.C supply with AC23A duty a) up to 63amps Groups A.									
		Each	1				1.00			
							1.00	5003.01	**5003.01**	
91	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and C type curve indicator ON/OFF Energy cross 3 with short circuit breaking capacity of 10K and complete wiring as required. e)6-32amps									
		Each	6				6.00			
							6.00	2314.80	**13888.80**	
92	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and C type curve indicator ON/OFF Energy cross 3 with short circuit breaking capacity of 10K and complete wiring as required. 6-32amps TPN									
		Each	6				6.00			
							6.00	1714.63	**10287.78**	
93	Supplying, fixing and wiring Electronic Trivector Meter (ETV) 5 to 32/63 A three phase 4 wire whole current class-1 Accuracy Energy Meter.									
		Each	2				2.00			
							2.00	4945.11	**9890.22**	
94	Supplying. fixing. wiring. earth electrode for grounding conduits. I.C. cutouts and other equipments on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proprotion of salt and charcoal 150mm alround the pipe to complete depth. the connection form the pipe to the conduit etc, is to be established through GI wire of size as oer ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 12mm dia									
		Nos.	2				2.00			
							2.00	2893.74	**5787.48**	
95	Supplying and running of GI/Copper strips for grounding connections using necessary fixing material as required GI strip 25x3mm									
		Mtr	1	30.00			30.00			
							30.00	72.37	**2171.10**	
96	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanished, steel wire/steel tap armoured cable with PVC outer sheating 1.1 KV class.I. Class 'A' PVC Cable.d) 4 core 16 sqmm									
		Mtr	1	35.00			35.00			
							35.00	144.74	**5065.90**	
97	Labour charges for lying of 1.1 KV class UG cable when supplied agency in existing trench GI pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct.a) 6 sqmm to 16 sqmm									
		Mtr	1	35.00			35.00			
							35.00	11.46	**401.10**	
98	Digging of trench of 0.6 m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc.,complete. .a) In soil (ordinary)									

		Mtr	1	25.00			25.00		
							25.00	73.33	1833.25
99	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. a) 40mm								
		Mtr	1	4.00			4.00		
							4.00	323.24	1292.96
100	Supplying &fixing L.T.cast iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers ect.b) 16 Sqmm								
		Each	2				2.00		
							2.00	260.52	521.04
101	Supply wall mountaing fan suitable to operate of single phase -230v A.C supply 400mm sweep a.group A.								
		Each	5				5.00		
							5.00	2738.39	13691.95
								Total RS	3270042.63
								Add 18% of GST Charges RS	588607.67
								Grand Total RS	3858650.30

CERTIFICATE:

1) Certified that the above work done is satisfactory completed.
2) Certified that the there is no debries have been cleared to site.

Assistant Engineer
Ward No-03

Assistant Executive Engineer
Yelahanka Constituency Sub Division
ಯಲಹಂಕ ಉಪವಿಭಾಗ
BBMP ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

PRE-MEASUREMENTS

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work :- Constuction of Samudaya Bhavana near Veeranjaneya Temple in Someshwara ward no-03 of Yelahanaka Satellite town sub division.

Agency:-SRI.KISHORE KUMAR M (V K INFRASTRUCTURE) No 520,1st Main Road Chikka Bommasandra,GKVK Post,Yelahanka New Town,Bangalore-560064.

Pre-Measurements Taken On:- 18/02/2023

S. No	Description of work	Unit	No.	Measurements			Qty	Remarks
				L	B	D		
1	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material to the appropriate disposal area as per direction of Engineer-in-charge.							
	A C Sheets	Sqm	1	8.00	6.00		48.00	
					Total Qty		**48.00**	

Assistant Engineer
Ward No-03

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work :- Constuction of Samudaya Bhavana near Veeranjaneya Temple in Someshwara ward no-03 of Yelahanaka Satellite town sub division.

Agency:-SRI.KISHORE KUMAR M (V K INFRASTRUCTURE) No 520,1st Main Road Chikka Bommasandra,GKVK Post,Yelahanka New Town,Bangalore-560064.

Pre-Measurements Taken On:- 18/02/2023

S. No	Description of work	Unit	No.	Measurements L	Measurements B	Measurements D	Qty	Remarks
2	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking to the appropriate disposal area as per direction of Engineerin-charge.							
	W	Sqm	1	4.10		1.03	4.22	
	D		1	1.36		2.16	2.94	
	D1		1	0.85		2.10	1.79	
	D2		1	0.90		2.10	1.89	
	V		1	0.75		0.60	0.45	
					Total Qty		**11.29**	

Assistant Engineer
Ward No-03

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work :- Constuction of Samudaya Bhavana near Veeranjaneya Temple in Someshwara ward no-03 of Yelahanaka Satellite town sub division.

Agency:-SRI.KISHORE KUMAR M (V K INFRASTRUCTURE) No 520,1st Main Road Chikka Bommasandra,GKVK Post,Yelahanka New Town,Bangalore-560064.

Pre-Measurements Taken On:- 18/02/2023

S. No	Description of work	Unit	No.	Measurements			Qty	Remarks
				L	B	D		
3	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge.							
	Wall's:-Hall	Cum	2	7.50	0.20	3.60	10.80	
			3	5.26	0.20	3.60	11.36	
							22.16	
	(-)Deduction:-W		1	4.10	0.20	1.03	0.84	
	D		1	1.36	0.20	2.16	0.59	
	D1		1	0.85	0.20	2.10	0.36	
	D2		1	0.90	0.20	2.10	0.38	
	V		1	0.75	0.20	0.60	0.09	
							2.26	
					Total Qty		19.90	

Assistant Engineer
Ward No-03

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work :- Constuction of Samudaya Bhavana near Veeranjaneya Temple in Someshwara ward no-03 of Yelahanaka Satellite town sub division.

Agency:-SRI.KISHORE KUMAR M (V K INFRASTRUCTURE) No 520,1st Main Road Chikka Bommasandra,GKVK Post,Yelahanka New Town,Bangalore-560064.

Pre-Measurements Taken On:- 18/02/2023

S. No	Description of work	Unit	No.	Measurements			Qty	Remarks
				L	B	D		
4	Demolishing cement concrete manually/ by mechanical means including disposal of material to the appropriate disposal area as per direction of Engineer-in-charge.							
	Flooring	Cum	1	7.50	5.26	0.20	7.89	
					Total Qty		**7.89**	

Assistant Engineer
Ward No-03

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work :- Constuction of Samudaya Bhavana near Veeranjaneya Temple in Someshwara ward no-03 of Yelahanaka Satellite town sub division.

Agency:-SRI.KISHORE KUMAR M (V K INFRASTRUCTURE) No 520,1st Main Road Chikka Bommasandra,GKVK Post,Yelahanka New Town,Bangalore-560064.

Pre-Measurements Taken On:- 18/02/2023

S. No	Description of work	Unit	No.	Measurements			Qty	Remarks
				L	B	D		
5	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineerin-charge.							
	SSM:-Hall	Cum	2	7.50	0.75	1.00	11.25	
			3	5.26	0.75	1.00	11.84	
					Total Qty		**23.09**	

Assistant Engineer
Ward No-03

Assistant Engineer
Yelahanka Satellite Town Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work :- Constuction of Samudaya Bhavana near Veeranjaneya Temple in Someshwara ward no-03 of Yelahanaka Satellite town sub division.

Agency:-SRI.KISHORE KUMAR M (V K INFRASTRUCTURE) No 520,1st Main Road Chikka Bommasandra,GKVK Post,Yelahanka New Town,Bangalore-560064.

Pre-Measurements Taken On:- 19/02/2023

S. No	Description of work	Unit	No.	Measurements L	B	D	Qty	Remarks
6	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m							
	Footings	Cum	6	3.00	2.70	1.95	94.77	
	SSM Foundation:- Long wall's		2	7.90	0.80	0.90	11.38	
	Short Wall's		3	5.45	0.80	0.90	11.77	
	New Building,Surrounding Levelling:-Back		1	9.90	(2.70+2.25)/2	0.12	2.94	
	Side		1	10.10	(2.80+2.25)/2	0.10	2.55	
	Front		1	7.30	(2.25+2.10)/2	0.12	1.91	
	Supporting Wall's		1	2.00	0.25	0.30	0.15	
			1	0.60	0.25	0.30	0.05	
	Manholes		2	1.00	0.90	0.55	0.99	
			2	0.90	0.80	0.80	1.15	
	Sanitary Tench		1	9.00	0.70	1.20	7.56	
					Total Qty		**135.21**	

Assistant Engineer
Ward No-03

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work :- Constuction of Samudaya Bhavana near Veeranjaneya Temple in Someshwara ward no-03 of Yelahanaka Satellite town sub division.

Agency:-SRI.KISHORE KUMAR M (V K INFRASTRUCTURE) No 520,1st Main Road Chikka Bommasandra,GKVK Post,Yelahanka New Town,Bangalore-560064.

Pre-Measurements Taken On:- 19/02/2023

S. No	Description of work	Unit	No.	Measurements			Qty	Remarks
				L	B	D		
58	Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water,all materials,usage& all other appurtenaces required to complete the work.							
	New Building,Surrounding	Cum	1	5.40	2.25	0.45	5.47	
			1	12.10	2.50	0.45	13.61	
			1	5.40	2.65	0.45	6.44	
					Total Qty		25.52	

Assistant Engineer
Ward No-03

Assistant Executive Engineer
Yelahanka New Town Sub Division
ಬಿ.ಬಿ.ಎಂ.ಪ. ಬೆಂಗಳೂರು-106

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work :- Constuction of Samudaya Bhavana near Veeranjaneya Temple in Someshwara ward no-03 of Yelahanaka Satellite town sub division.

Agency:-SRI.KISHORE KUMAR M (V K INFRASTRUCTURE) No 520,1st Main Road Chikka Bommasandra,GKVK Post,Yelahanka New Town,Bangalore-560064.

Pre-Measurements Taken On:-21/02/2023

S. No	Description of work	Unit	No.	Measurements L	B	D	Qty	Remarks
7	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications.							
	Footings	Cum	6	3.00	2.70	0.10	4.86	
					Total Qty		**4.86**	

Assistant Engineer
Ward No-03

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರ್,
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work :- Constuction of Samudaya Bhavana near Veeranjaneya Temple in Someshwara ward no-03 of Yelahanaka Satellite town sub division.

Agency:-SRI.KISHORE KUMAR M (V K INFRASTRUCTURE) No 520,1st Main Road Chikka Bommasandra,GKVK Post,Yelahanka New Town,Bangalore-560064.

Pre-Measurements Taken On:- 21/02/2023

S. No	Description of work	Unit	No.	Measurements L	B	D	Qty	Remarks
8	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates.							
	Footings	Cum	6	3.00	2.70	0.10	4.86	
	SSM Foundation:- Long wall's		2	7.90	0.75	0.10	1.19	
	Short Wall's		3	5.45	0.75	0.10	1.23	
	Flooring:-Kitchen		1	5.20	4.90	0.12	3.06	
	Store		1	1.35	4.90	0.12	0.79	
	New Building,Surrounding Concrete:-Back		1	9.90	(2.70+2.25) 2	0.10	2.45	
	Side		1	10.10	(2.80+2.25) 2	0.10	2.55	
	Front		1	7.30	(2.25+2.10) 2	0.10	1.59	
	Supporting Wall's		1	2.00	0.25	0.10	0.05	
			1	0.60	0.25	0.10	0.02	
	Manholes		2	1.00	0.90	0.12	0.22	
			2	0.90	0.80	0.12	0.17	
					Total Qty		**18.16**	

Assistant Engineer
Ward No-03

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೫೬

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work :- Constuction of Samudaya Bhavana near Veeranjaneya Temple in Someshwara ward no-03 of Yelahanaka Satellite town sub division.

Agency:-SRI.KISHORE KUMAR M (V K INFRASTRUCTURE) No 520,1st Main Road Chikka Bommasandra,GKVK Post,Yelahanka New Town,Bangalore-560064.

Pre-Measurements Taken On:-24/02/2023

S. No	Description of work	Unit	No.	Measurements L	B	D	Qty	Remarks
10	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)							
	Foundation 1st footing:- Long wall's	Cum	2	7.85	0.70	0.35	3.85	
	Short Wall's		3	5.55	0.70	0.35	4.08	
	2nd footing:- Long wall's		2	7.75	0.60	0.45	4.19	
	Short Wall's		3	5.60	0.60	0.45	4.54	
	Basement:- Long wall's		2	7.60	0.45	0.20	1.37	
	Short Wall's		3	5.45	0.45	0.20	1.47	
					Total Qty		**19.49**	

Assistant Engineer
Ward No-03

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division
B.B.M.P. Bangalore-106

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work :- Constuction of Samudaya Bhavana near Veeranjaneya Temple in Someshwara ward no-03 of Yelahanaka Satellite town sub division.

Agency:-SRI.KISHORE KUMAR M (V K INFRASTRUCTURE) No 520,1st Main Road Chikka Bommasandra,GKVK Post,Yelahanka New Town,Bangalore-560064.

Pre-Measurements Taken On:- 25/02/2023

S.No	Description of work	Unit	No.	Measurements L	B	D	Qty	Remarks
25	Providing Thermo-Mechanically Treated bars of grade Fe-550 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately)							
	Footing,s:- 16 mm Dia (0.15c/c) Alternative Rods:-	Kg's						
	Double Mat	38	6	3.90	889.20			
		42	6	3.60	907.20			
	Alround Stirrupp's	4	6	12.00	288.00			
					2084.40	1.58	**3293.35**	
	Columns:- 20 mm Dia Rods,Column's	4	6	6.60	158.40			
					158.40	2.47	**391.25**	
	25 mm Dia Rods,Column's	4	6	6.60	158.40			
					158.40	3.25	**514.80**	
	Stirrupps, 8 mm Dia (0.25c/c)							
	Single Stirrup's	16	6	1.35	129.60			
	Double Stirrup's	30	6	0.90	162.00			
					291.60	0.39	**113.72**	
	Pedestal's:-16mm Dia (o.15c/c)	12	6	1.50	108.00			
					108.00	1.58	**170.64**	
	Alround Stirrupp's	6	6	3.00	108.00			
					324.00	0.39	**126.36**	
	Measurements Continued on:- 16/03/2023							
	Plinth beam:-Main Top Rods,16 mm Dia							
	Long Walls	2	2	8.40	33.60			
	Short Walls	2	3	6.10	36.60			
					70.20	1.58	**110.92**	
	Main Bottom Rods,25 mm Dia							
	Long Walls	2	2	8.40	33.60			
	Short Walls	2	3	6.10	36.60			
					70.20	3.25	**228.15**	
	Stirrup,s 8mm Dia (0.20c/c)							
	Long Walls	41	4	1.20	196.80			
	Short Walls	30	3	1.20	108.00			
					304.80	0.39	**118.87**	

	Measurements Continued on:- 11/04/2023							
	Lintel :-							
	Main Bottom Rods,10 mm Dia							
	Long Walls	6	1	7.90	47.40			
	Short Walls	6	2	5.50	66.00			
	Partition Wall	4	1	5.20	20.80			
					134.20	0.62	**83.20**	
	Stirrup,s 8mm Dia (0.20c/c)							
	Long Walls	36	1	0.75	27.00			
	Short Walls	27	2	0.75	40.50			
	Partition Wall	26	1	0.75	19.50			
					87.00	0.39	**33.93**	
	Chejja's 10mm Dia (0.15c/c):-Front	23	1	1.05	24.15			
	Sides	11	1	1.05	11.55			
		21	1	1.05	22.05			
		9	1	1.05	9.45			
					67.20	0.62	**41.66**	
	Distrubutions 8mm dia (0.20c/c):-Front	6	1	3.40	20.40			
	Sides	6	1	1.60	9.60			
		6	1	3.10	18.60			
		6	1	1.30	7.80			
					56.40	0.39	**22.00**	
	Measurements Continued on:- 26/04/2023							
	Tie beam:-Main Top Rods,16 mm Dia							
	Long Walls	2	2	8.40	33.60			
	Short Walls	2	3	6.10	36.60			
					70.20	1.58	**110.92**	
	Main Bottom Rods,20 mm Dia							
	Long Walls	2	2	8.40	33.60			
	Short Walls	2	3	6.10	36.60			
					70.20	2.42	**169.88**	
	Stirrup,s 8mm Dia (0.20c/c)							
	Long Walls	42	2	1.35	113.40			
	Short Walls	31	3	1.35	125.55			
					238.95	0.39	**93.19**	
	Roof Rods							
	Main Rods 10mm Dia (0.12c/c)							
	Alternative Crank Rods	31	2	5.70	353.40			
	Tension Rods	31	2	1.80	111.60			
	Stright Rods:-Bottom Rods	15	2	5.40	162.00			
	Top Rods	15	2	5.40	162.00			
					789.00	0.62	**489.18**	
	Distrubution Rods 8mm Dia (0.15c/c)							
	Alternative Crank Rods	12	1	7.80	93.60			
	Tension Rods	12	2	1.80	43.20			

	Stright Rods:-Bottom Rods	12	2	7.50	180.00			
	Top Rods	12	2	7.50	180.00			
					496.80	0.39	**193.75**	
					Total Qty		**6305.78**	

Assistant Engineer
Ward No-03

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work :- Constuction of Samudaya Bhavana near Veeranjaneya Temple in Someshwara ward no-03 of Yelahanaka Satellite town sub division.

Agency:-SRI.KISHORE KUMAR M (V K INFRASTRUCTURE) No 520,1st Main Road Chikka Bommasandra,GKVK Post,Yelahanka New Town,Bangalore-560064.

Pre-Measurements Taken On:- 11/05/2023

S. No	Description of work	Unit	No.	Measurements L	B	D	Qty	Remarks
26	First Floor	Kg						
	Columns:- 16 mm Dia Rods,Column's	8	6	5.10	244.80			
					244.80	1.58	**386.78**	
	Stirrupps, 8 mm Dia (0.25c/c)							
	Single Stirrup's	12	6	1.35	97.20			
	Double Stirrup's	22	6	0.90	118.80			
					216.00	0.39	**84.24**	
	Measurements Continued on:- 27/05/2023							
	Lintel :-							
	Main Bottom Rods,10 mm Dia							
	Long Walls	6	1	7.90	47.40			
	Short Walls	6	2	5.50	66.00			
	Partition Wall	4	1	5.20	20.80			
					134.20	0.62	**83.20**	
	Stirrup,s 8mm Dia (0.20c/c)							
	Long Walls	36	1	0.75	27.00			
	Short Walls	27	2	0.75	40.50			
	Partition Wall	26	1	0.75	19.50			
					87.00	0.39	**33.93**	
	Chejja's 10mm Dia (0.15c/c):-Sides	9	2	1.05	18.90			
	Inside Self's	18	2	1.05	37.80			
					56.70	0.62	**35.15**	
	Distrubutions 8mm dia (0.20c/c):-Sides	6	2	1.30	15.60			
	Inside Self's	6	2	2.75	33.00			
					48.60	0.39	**18.95**	
	Measurements Continued on:- 18/06/2023							
	Tie beam:-Main Top & Bottom Rods,16 mm Dia							
	Long Walls	4	2	8.40	67.20			
	Short Walls	4	3	6.10	73.20			
					140.40	1.58	**221.83**	
	Stirrup,s 8mm Dia (0.20c/c)							
	Long Walls	40	2	1.35	108.00			

	Short Walls	29	3	1.35	.117.45			
	Roof Rods				**225.45**	0.39	**87.93**	
	Main Rods 8mm Dia (0.12c/c)							
	Alternative Crank Rods	31	2	5.70	353.40			
	Tension Rods	31	2	1.80	111.60			
	Stright Rods:-Bottom Rods	15	2	5.40	162.00			
	Top Rods	15	2	5.40	162.00			
	Distrubution Rods 8mm Dia (0.15c/c)							
	Alternative Crank Rods	13	1	7.80	101.40			
	Tension Rods	12	2	1.80	43.20			
	Stright Rods:-Bottom Rods	12	2	7.50	180.00			
	Top Rods	12	2	7.50	180.00			
					1293.60	0.39	**504.50**	
					Total Qty		**1456.53**	

Assistant Engineer
Ward No-03

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

To,

Date: 14-08-2023

ASSISTANT EXECUTIVE ENGINEER
YELAHANKA SATELLITE TOWN SUB DIVISION
BBMP
BANGALORE

Dear Sir,

Sub: M/s. Civil Pro Services for the work of **"CONSTRUCTION OF SAMUDAYA BHAVANA NEAR VEERANJANEYA TEMPLE IN SOMESHWARA WARD NO-03 OF YELAHANKA SATELLITE TOWN SUB DIVISION."**

Ref: 1. Work Order No: BBMP/EE/YNK.D/EPMT-12/W.O/122/2022-23

2. Job code: 003-23-000017

We are herewith forwarding to SRI. KISHORE KUMAR M (V K INFRASTRUCTURE) No 520, 1st Main Road Chikkabommasandra, GKVK Post, Yelahanka New Town , Bangalore -560064. First and Final bill duly verified and certified that the Work is satisfactory and for a Gross Value of Rs.38,58,650.30/- (Rs. Thirty Eight Lakhs Fifty Eight Thousand Six Hundred Fifty and Thirty Paisa Only).

Thanking you,

Yours faithfully,

For Civil Pro

R KARTHIK RECHAN
AUTHORIZED SIGNATORY
CIVIL PRO

CIVIL Pro Sig..... Date..... BANGALORE

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೬೫

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com